

Applicant : Dana Le et al.
Serial No. : 10/087,134
Filed : February 28, 2002
Page : 2 of 10

Attorney's Docket No.: 12587-018001 / 01346-00/US

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A wearable computer system comprising:
a computer unit wearable by a user; and
a human-machine user interface having at least an audio-only mode of operation,
the user interface comprising:
an audio receiver wearable by the user and connectable to the computer unit such
that the audio receiver receives voice signals from the user and provides the voice signals
to the computer unit for processing; and
a speaker adapted to be worn by the user and connectable to the computer unit
such that the computer unit sends audio signals to the speaker to provide output to the
user.
2. (Original) The wearable computer system of claim 1, further comprising an
earpiece adapted to be worn in an ear of the user, wherein the audio receiver and the speaker are
housed in the earpiece.
3. (Original) The wearable computer system of claim 1, further comprising an audio
filter that filters audio signals received by the audio receiver that do not originate with the user.
4. (Currently amended) The wearable computer system of claim 3, wherein the
human-machine audio-only user interface further comprises a second audio receiver adapted to
be worn by the user and connectable to the computer unit such that the second audio receiver
inputs audio signals from user's surroundings.

Applicant : Dana Le et al.
Serial No. : 10/087,134
Filed : February 28, 2002
Page : 3 of 10

Attorney's Docket No.: 12587-018001 / 01346-00/US

5. (Original) The wearable computer system of claim 4, wherein the computer unit comprises:

a processor that processes computer instructions; and
computer memory having computer instructions that, when executed by the processor, cause the second audio receiver to be activated to receive audio signals when the computer unit receives a voice command from the first audio receiver.

6. (Original) The wearable computer system of claim 5, wherein the voice command that is received by the computer unit is a natural voice command spoken by the user that blends with the natural phrases and terminology commonly spoken by the user.

7. (Original) The wearable computer system of claim 1, further comprising an image recorder adapted to be worn by the user and connectable to the computer unit such that the image recorder may capture an image and forward the image to the computer unit for storage.

8. (Original) The wearable computer system of claim 1, wherein the computer unit includes a GPS sensor to input location information to the computer unit.

9. (Canceled)

10. (Currently amended) A wearable computer system comprising:
a computer unit wearable by a user; and
a human-machine user interface having an audio-only mode of operation, the human-machine user interface comprising:

a first audio receiver adapted to be worn by the user and connectable to the computer unit such that the first audio receiver receives voice signals from the user and provides the voice signals to the computer unit for processing; and

Applicant : Dana Le et al.
Serial No. : 10/087,134
Filed : February 28, 2002
Page : 4 of 10

Attorney's Docket No.: 12587-018001 / 01346-00/US

a second audio receiver adapted to be worn by the user and connectable to the computer unit such that the second audio receiver inputs audio signals from user's surroundings to the computer unit;

wherein audio signals received by the first audio receiver that do not originate with the user are filtered with an audio filter.

11. (Currently amended) The wearable computer system of claim 10, wherein the human-machine audio-only user interface further comprises a speaker adapted to be worn by the user and connectable to the computer unit such that the computer unit sends audio signals to the speaker to provide output to the user.

12. (Original) The wearable computer system of claim 11, further comprising an earpiece adapted to be worn in an ear of the user, wherein the first audio receiver and the speaker are housed in the earpiece.

13. (Original) The wearable computer system of claim 11, wherein the computer unit comprises:

a processor that processes computer instructions; and
computer memory having computer instructions that, when executed by the processor, cause the second audio receiver to be activated to receive audio signals when the computer unit receives a voice command from the first audio receiver.

14. (Original) The wearable computer system of claim 13, wherein the voice command that is received by the computer unit is a natural voice command spoken by the user that blends with the natural phrases and terminology commonly spoken by the user.

Applicant : Dana Le et al.
Serial No. : 10/087,134
Filed : February 28, 2002
Page : 5 of 10

Attorney's Docket No.: 12587-018001 / 01346-00/US

15. (Original) The wearable computer system of claim 10, further comprising an image recorder adapted to be worn by the user and connectable to the computer unit such that the image recorder may capture an image and forward the image to the computer unit for storage.

16. (Original) The wearable computer system of claim 10, wherein the computer unit includes a GPS sensor to input location information to the computer unit.

17-22. (Canceled)

23. (Currently amended) A method of operating a wearable computer system comprising a computer unit wearable by a user, and a human-machine user interface with at least an audio-only mode of operation, the method comprising:

continuously storing in a scrolling buffer audio information received by a microphone that receives ambient audio information at the user's location; and
upon receiving a predetermined voice command from the user, storing in memory audio information present in the buffer for some period of time in relation to the time the audio command was received, so that the audio information stored in memory may be retrieved at a later time.

24. (Original) The method of operating a wearable computer system of claim 23, wherein the audio information stored in memory for later retrieval is received during a predetermined period of time immediately preceding receipt of the predetermined voice command.

25. (Original) The method of operating a wearable computer system of claim 23, wherein the audio information stored in memory for later retrieval is received during a predetermined period of time immediately after receipt of the predetermined voice command.

Applicant : Dana Le et al.
Serial No. : 10/087,134
Filed : February 28, 2002
Page : 6 of 10

Attorney's Docket No.: 12587-018001 / 01346-00/US

26. (Original) The method of operating a wearable computer system of claim 23, wherein the audio information stored in memory for later retrieval is received during a predetermined period of time including time occurring both before and after receipt of the predetermined voice command.

27. (Original) The method of operating a wearable computer system of claim 23, wherein the predetermined voice command is a natural voice command.

28. (Original) The method of operating the wearable computer system of claim 23, wherein the predetermined voice command is set up by the user.

29-34. (Canceled)